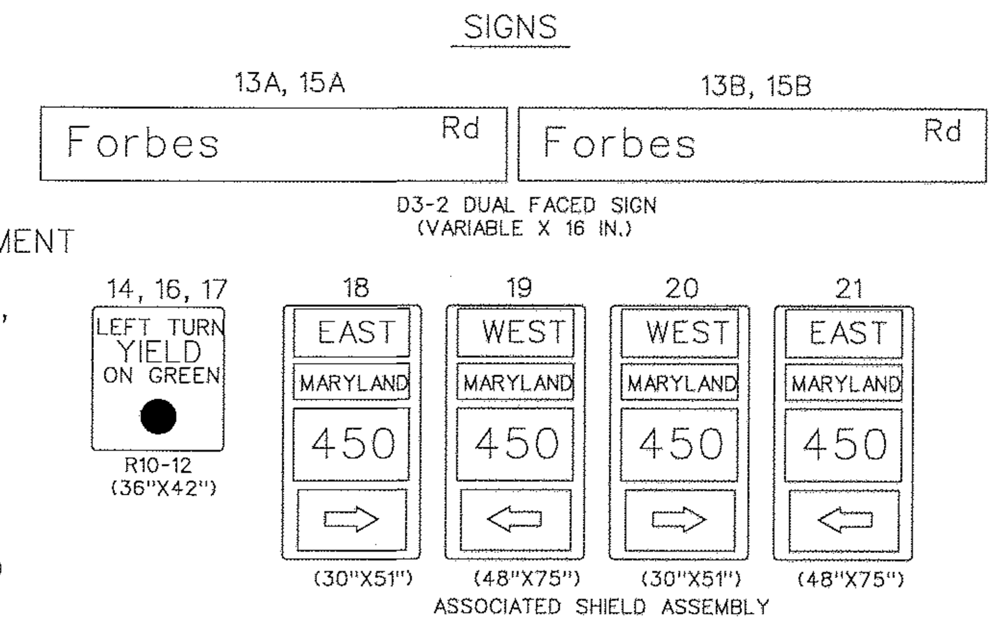
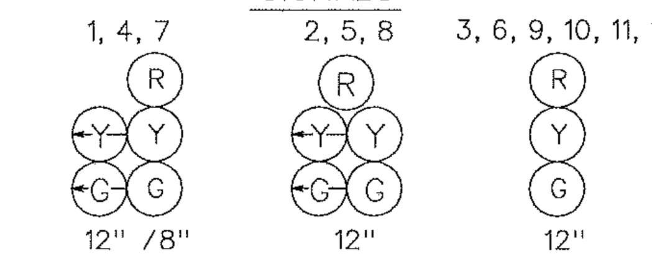
CONSTRUCTION DETAILS

A. INSTALL BASE-MOUNTED CABINET/CONTROLLER WITH ALL NECESSARY EQUIPMENT FOR AN UNDERGROUND ELECTRICAL SERVICE. (NOTE: TWO 4 IN., 90-DEGREE (SCH. 40) BENDS, ONE 3 IN., 90-DEGREE (SCH. 40) PVC BEND AND ONE 2 IN., 90-DEGREE (SCH. 80) PVC BEND.
B. INSTALL 12 IN. X 32 FT. 2-PLY STEEL STRAIN POLE WITH 20 FT. LIGHTING ARM WITH A 250-WATT HPS LAMP AND LUMINAIRE AS SHOWN. (NOTE: TWO 3 IN. 90-DEGREE (SCH. 40) PVC BENDS AND ONE 3 IN. WEATHERHEAD) [USE FOUR 2-1/4 IN. X 96 IN. ANCHOR BOLTS]
C. INSTALL 12 IN. X 32 FT. 2-PLY STEEL STRAIN POLE WITH POLE-MOUNTED SIGNS AND A 20 FT. LIGHTING ARM WITH A 250-WATT HPS LAMP AND LUMINAIRE AS SHOWN. (NOTE: ONE 2 IN. 90-DEGREE (SCH. 40) PVC BEND AND ONE 3 IN. WEATHERHEAD) [USE 4 2-1/4 IN. X 96 IN. ANCHOR BOLTS].
D. INSTALL HANDHOLE.
E. INSTALL 2 IN. POLYVINYL CHLORIDE (SCH. 40) ELECTRICAL CONDUIT - TRENCHED.
G. INSTALL 3 IN. POLYVINYL CHLORIDE (SCH. 40) ELECTRICAL CONDUIT - TRENCHED.
H. INSTALL 3/8 IN. STEEL SPAN WIRE, 1/4 IN. STEEL TETHER WIRE, VEHICLE SIGNAL HEADS AND SIGN AS SHOWN. (NOTE: PROVIDE APPROXIMATELY 50 FT. OF ADDITIONAL ELECTRICAL CABLE FOR EACH SIGNAL HEAD FOR USE DURING ROADWAY CONSTRUCTION PHASING/STAGING. TETHER THE 5-SECTION SIGNAL HEADS AND SIGNS)
J. INSTALL 4 IN. POLYVINYL CHLORIDE (SCH. 40) ELECTRICAL CONDUIT - TRENCHED.

SIGNS

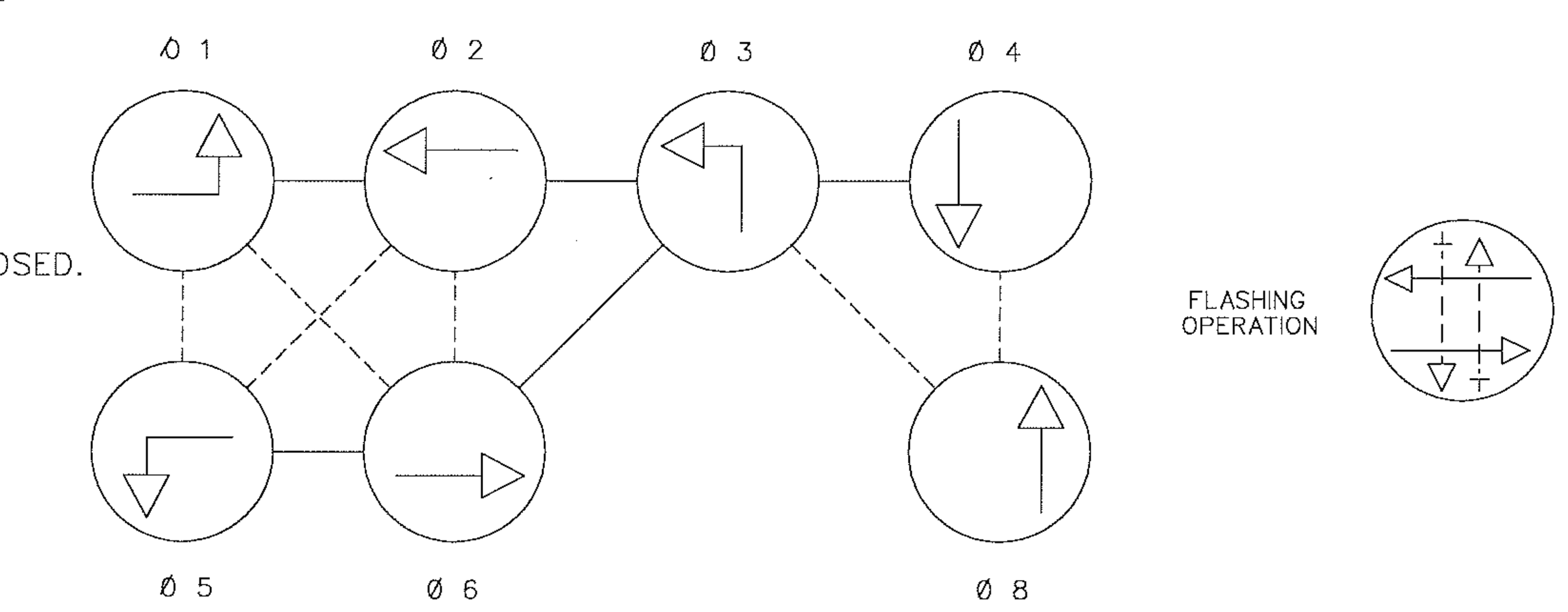


SIGNALS

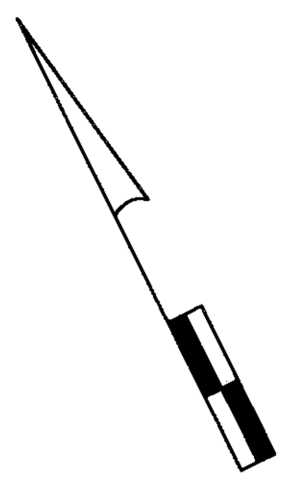


NOTE: ALL SIGNALS AND SIGNS ARE PROPOSED.

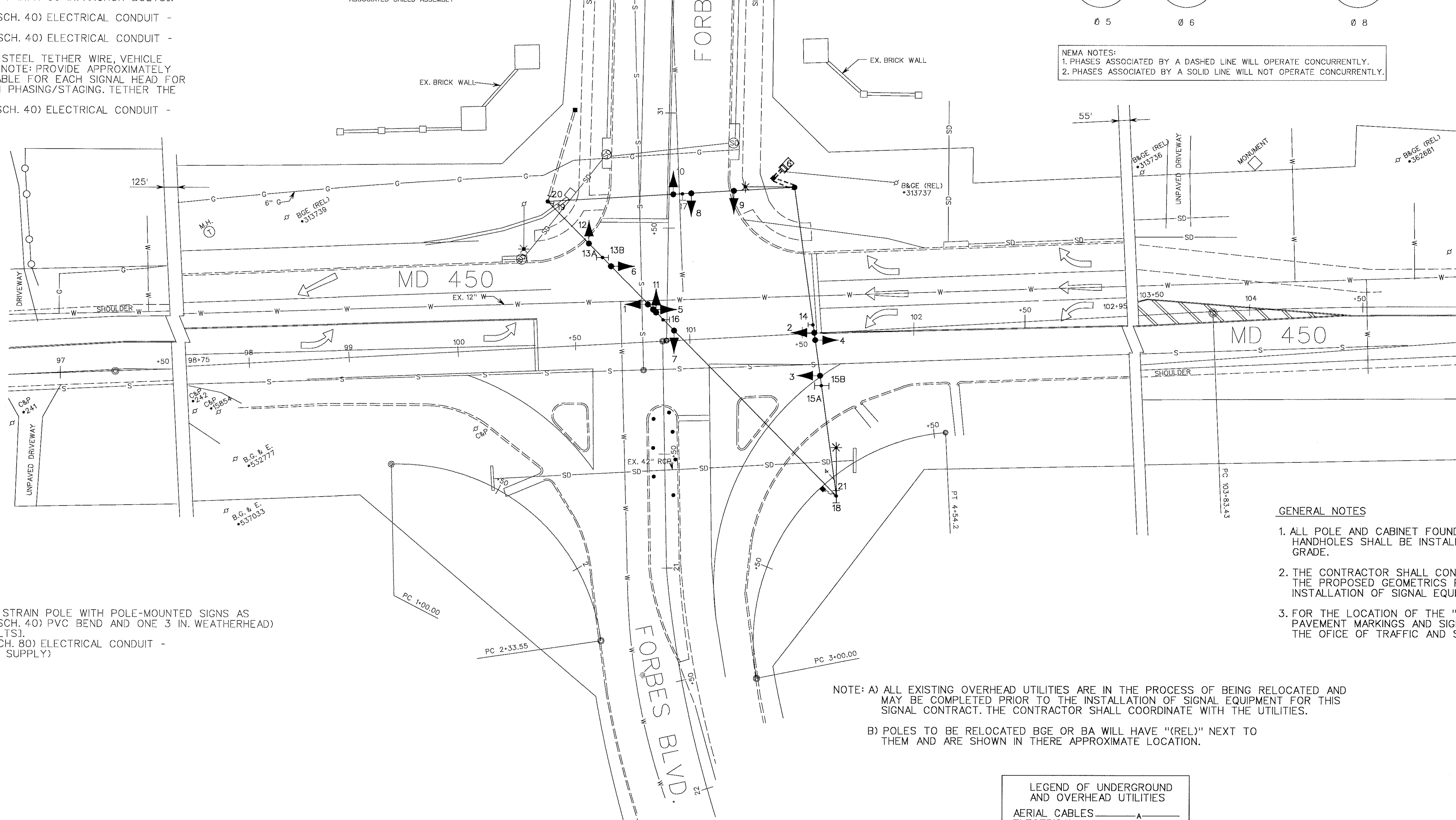
NEMA PHASING



NEMA NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



MD 450 IS ASSUMED TO RUN IN A EAST - WEST DIRECTION



K. NOT USED.
L. NOT USED.
M. NOT USED.
N. NOT USED.
O. NOT USED.
P. INSTALL 12 IN. X 32 FT. 2-PLY STEEL STRAIN POLE WITH POLE-MOUNTED SIGNS AS SHOWN, (NOTE: ONE 2 IN. 90-DEGREE (SCH. 40) PVC BEND AND ONE 3 IN. WEATHERHEAD) [USE 4 2-1/4 IN. X 96 IN. ANCHOR BOLTS].
Q. INSTALL 2 IN. POLYVINYL CHLORIDE (SCH. 80) ELECTRICAL CONDUIT - TRENCHED. (FOR UNDERGROUND POWER SUPPLY)

GENERAL NOTES

1. ALL POLE AND CABINET FOUNDATIONS AND HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.
2. THE CONTRACTOR SHALL CONFIRM THE LOCATIONS OF THE PROPOSED GEOMETRICS PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
3. FOR THE LOCATION OF THE "ARROW" AND "ONLY" PAVEMENT MARKINGS AND SIGNS, CONTACT THE THE OFICE OF TRAFFIC AND SAFETY.

NOTE: A) ALL EXISTING OVERHEAD UTILITIES ARE IN THE PROCESS OF BEING RELOCATED AND MAY BE COMPLETED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT FOR THIS SIGNAL CONTRACT. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITIES.

B) POLES TO BE RELOCATED BGE OR BA WILL HAVE "(REL)" NEXT TO THEM AND ARE SHOWN IN THERE APPROXIMATE LOCATION.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLES	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

AS BUILT DGN.
DATE: 9-1-97

REVISIONS	APPROVALS
	CHIEF, SIGNAL DESIGN SECTION
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

THE WILSON T. BALLARD CO.
CONSULTING ENGINEERS
OWINGS MILLS, MARYLAND

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

DRAWN BY: F.D.B.
DES. BY:
CHK. BY: J. MALINOWSKI

MD 450 (ANNAPOLIS ROAD) AT FORBES BLVD.

LOG MILE NO. 16045006.59 COUNTY: PRINCE GEORGES

DATE: 1-14-97 SCALE: 1"=20'
F.A.P. NO. SEE TITLE SHEET
S.H.A. NO.
TS/STD. NO. TS-3600-P
SHEET NO. 1 OF 1

FILE NO.SS92S450.DGN
01-14-97 FDB/TES/IJS/JDM

c:\bly\msha7a.dgn Jul. 27, 1998 15:59:05

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